

XAL based PV Browser

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EPICS Collaboration Meeting – RDB SIG

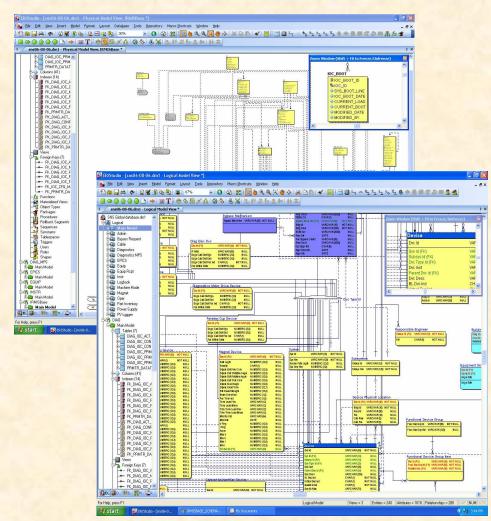
June 12, 2006



OAK RIDGE NATIONAL LABORATORY U. S. DEPARTMENT OF ENERGY

Environment

- Oracle RDB
- IRMISBase data structure
- SNS data structure
- XAL Framework (See XAL Status presentation by Tom Pelaia)







Philosophy

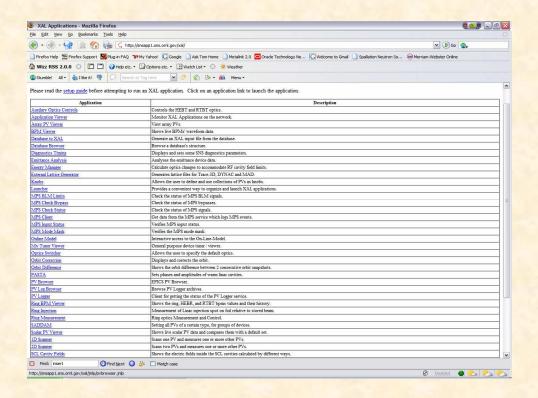
- Integrate IRMISBase data with SNS data
- Use the XAL framework whose look and feel most SNS users are familiar with
- Simple RDB interaction through POJOs and database views to adapt IRMIS to SNS
- Tailor functions to SNS users
- But make UI configurable for anyone





Installation

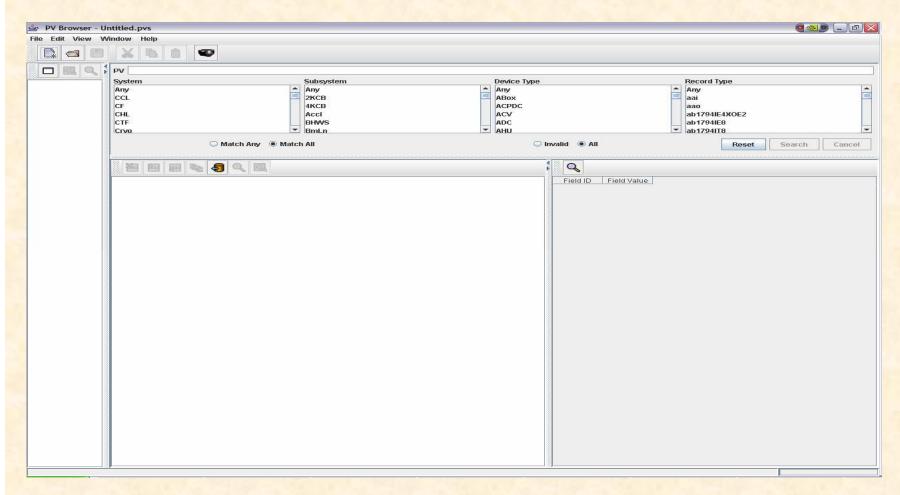
- Populate configuration table
- Set RDB connection parameters
- Install jars and JNLP files on web server







PV Browser

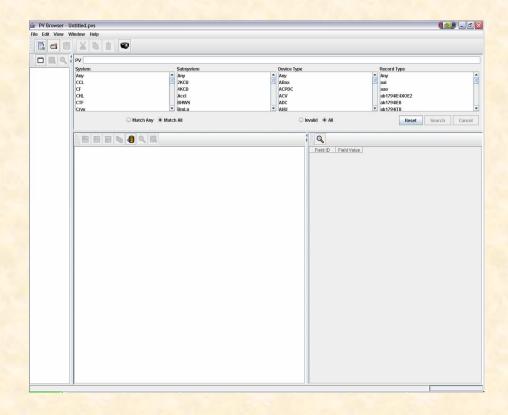






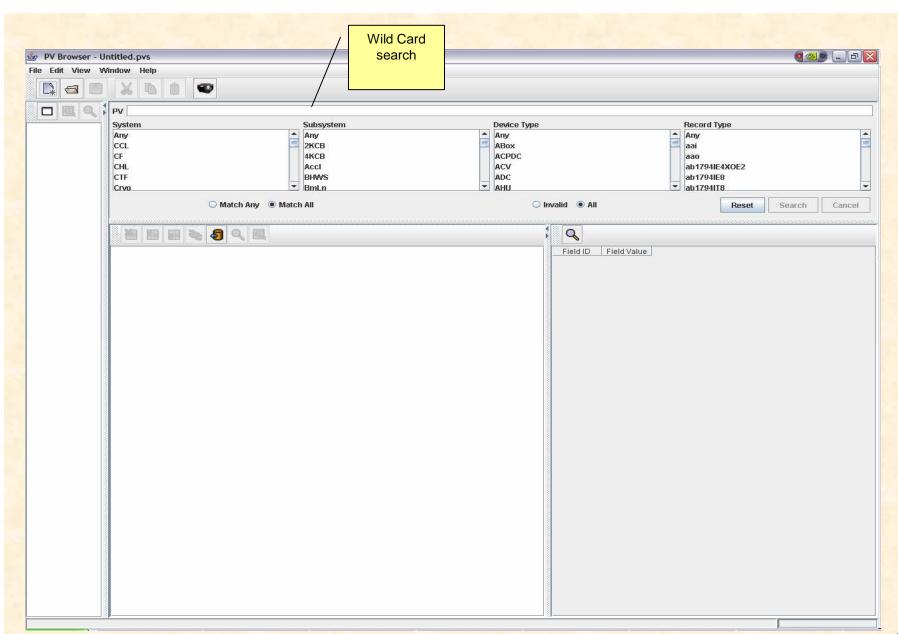
Startup

- Connects to RDB with a read only account
- Reads configuration table to determine objects to define



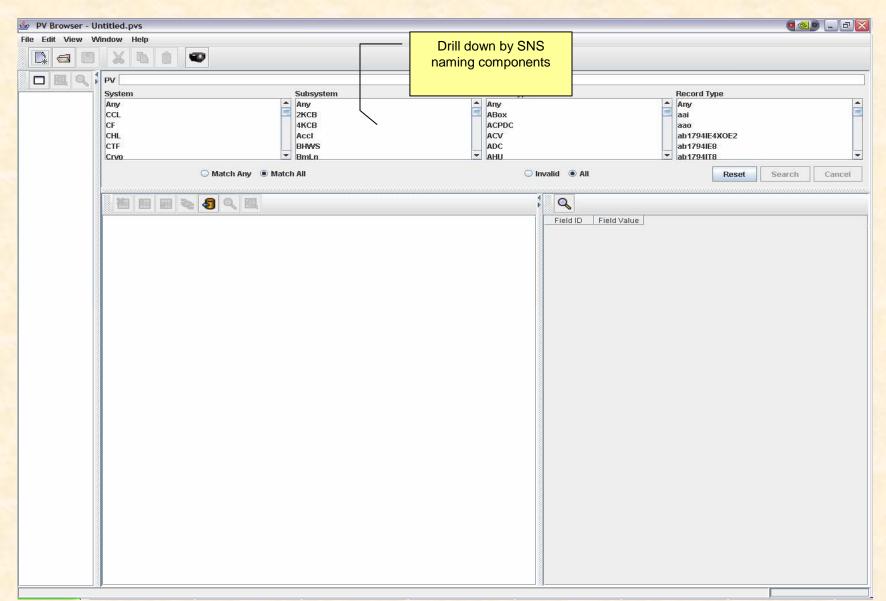






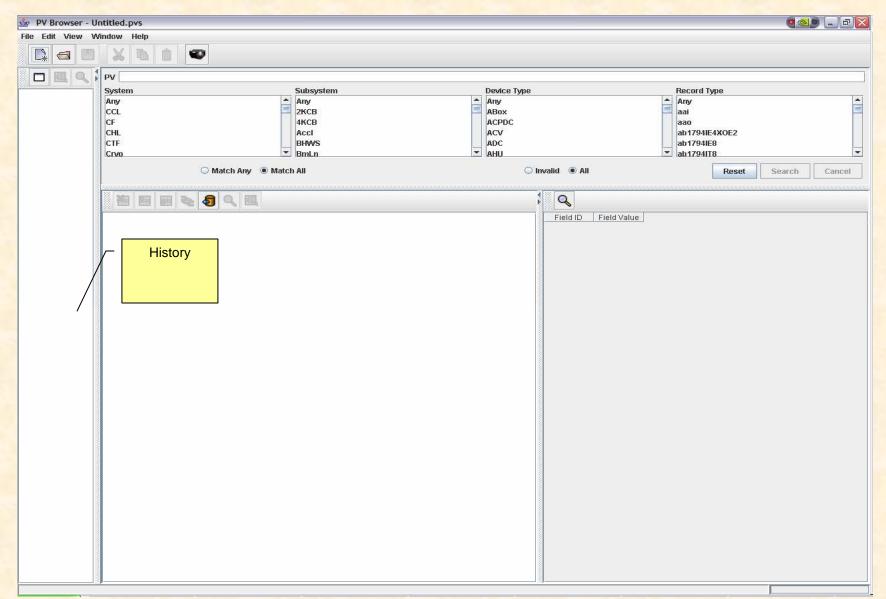






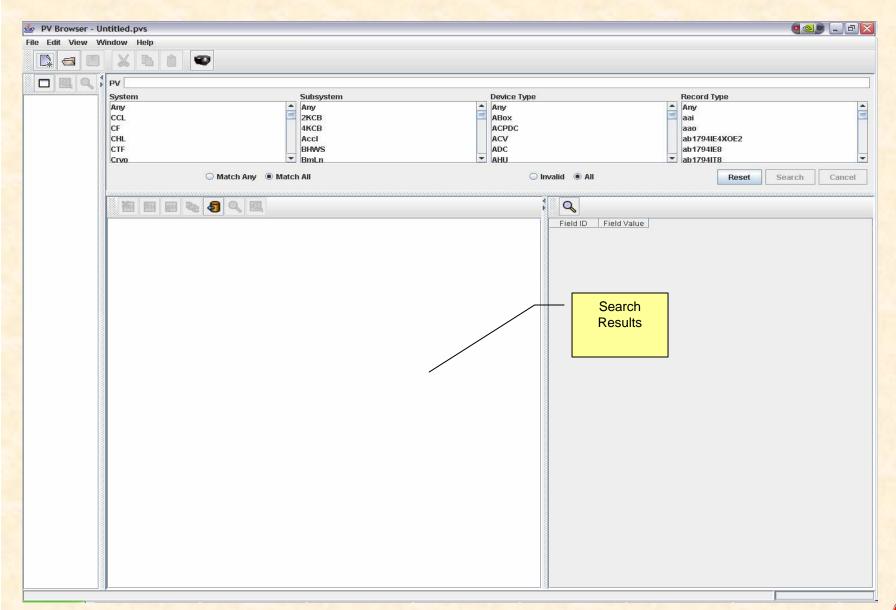






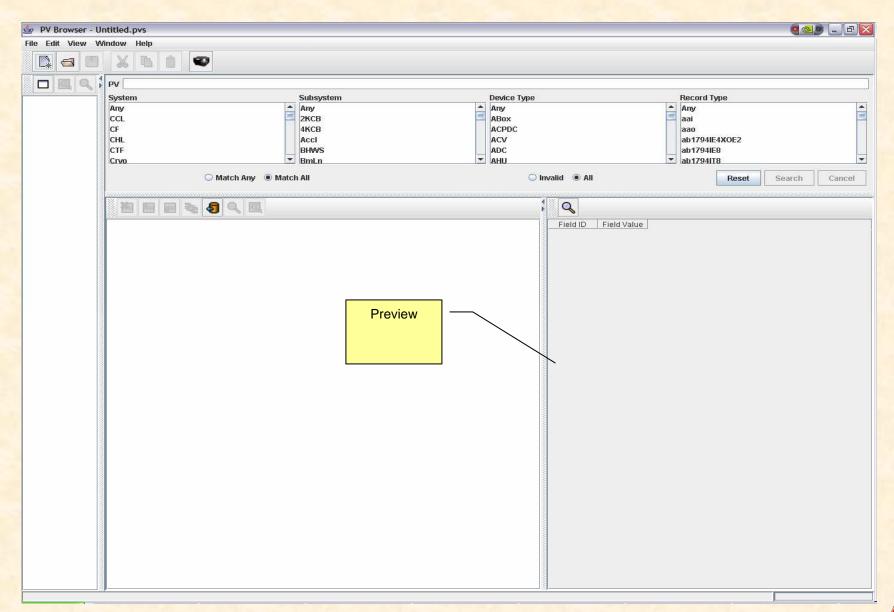








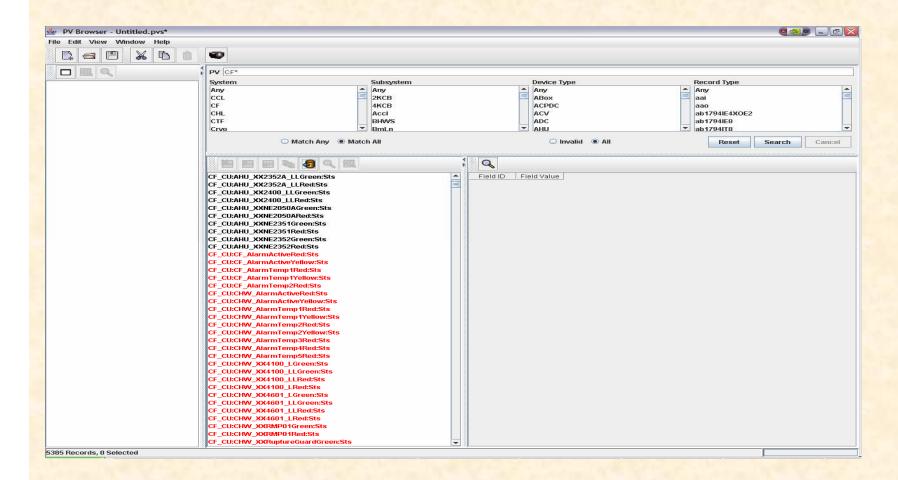








Search







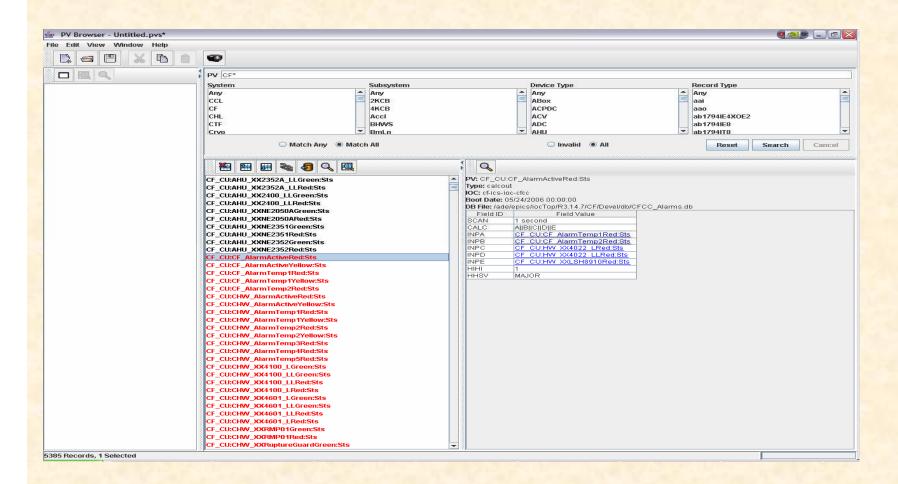
So I used all invalid names for my PV's. It drives that database guy nuts!







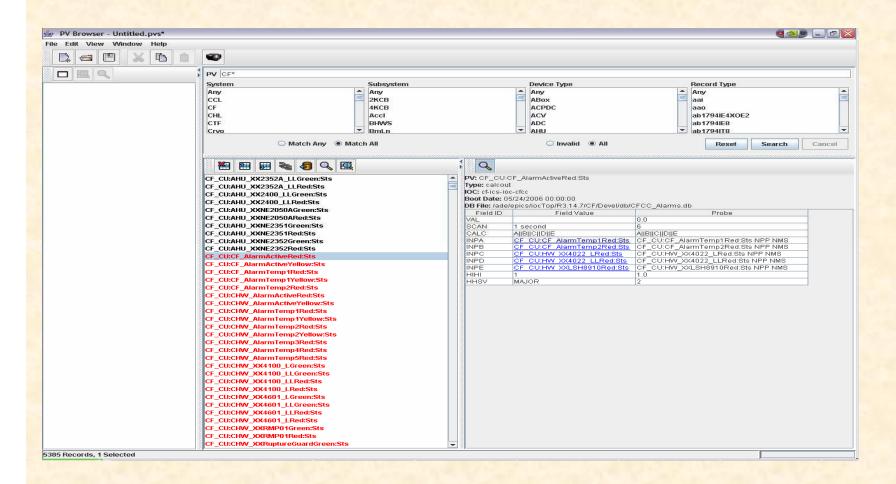
Preview







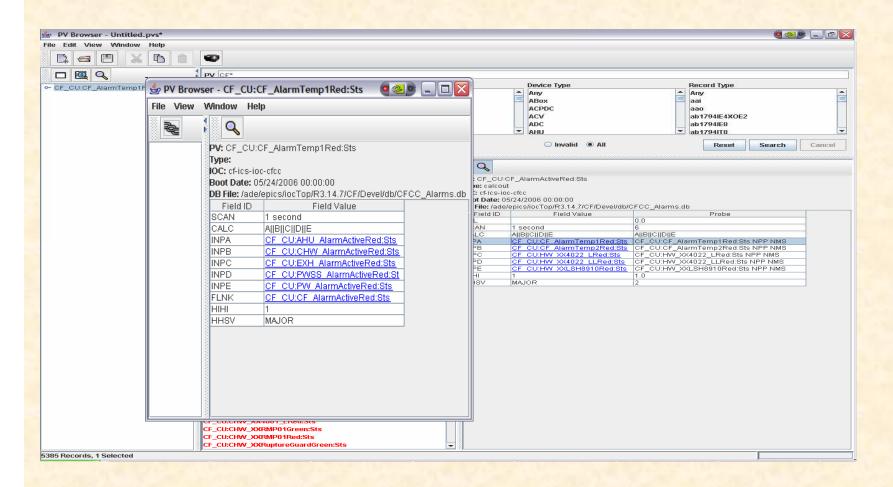
Probe







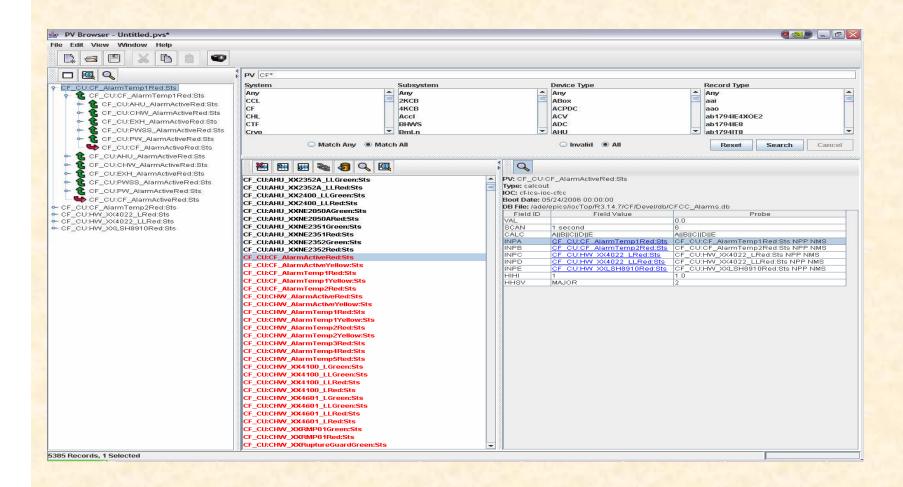
View Links







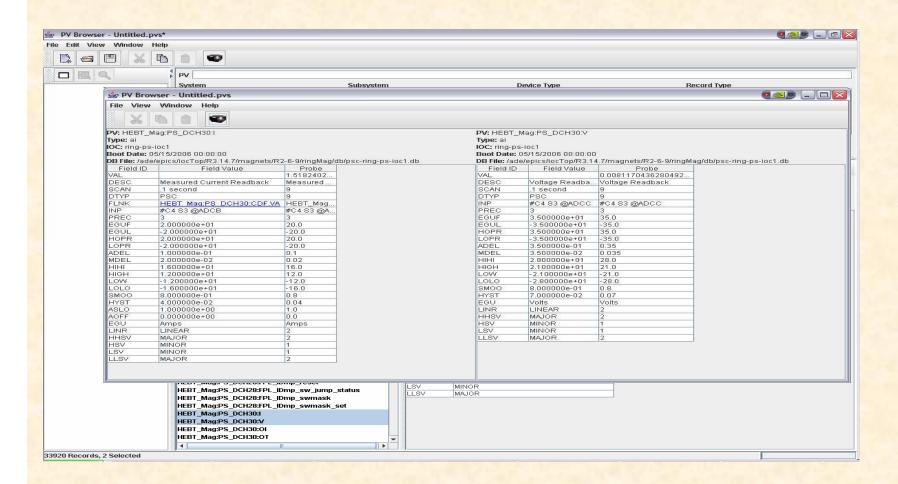
Map Links







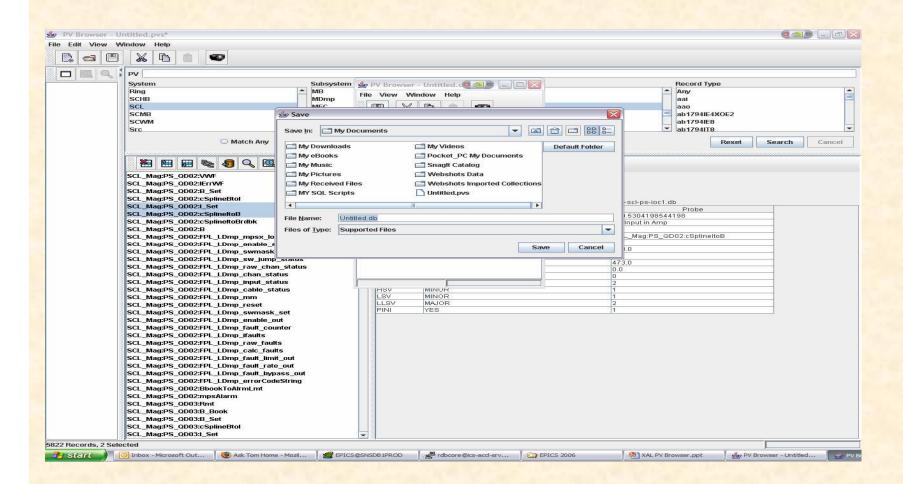
Probe multiple PV's







Export to .db file







Future

- Advanced search
- Seamless export to VDCT
- Differences between IOC boots



